

CLAIMS

sub A15

~~1. An air filter comprising:
a filter housing with air flowing through said filter housing in a first direction;
a pleated filter support operatively connected to said filter housing said pleated
filter support having support members define a pleated shape; and
a filter at least partially supported by said support members.~~

~~2. The air filter of Claim 1 wherein said pleated filter support comprises a wire
mesh.~~

~~3. The air filter of Claim 1 wherein said pleated filter support comprises a
plurality of posts.~~

~~4. The air filter of Claim 1 wherein said pleated filter support comprises a
plurality of ridges spaced about equally apart.~~

~~5. The air filter of Claim 1 wherein said pleated filter support comprises at least a
partially annular form.~~

~~6. The air filter of Claim 1 wherein said filter comprises a low restriction filter
paper.~~

~~7. The air filter of Claim 1 wherein said filter and said pleated filter support are
operatively connected by welding.~~

~~8. The air filter of Claim 1 wherein said filter and said pleated filter support are
operatively connected by an adhesive.~~

~~9. The air filter of Claim 1 including a filter seal operatively connected to said
filter and said pleated filter support.~~

sub A2 >

~~10. An air induction system comprising:
a flow body;
a filter housing in communication with said flow body with air flowing
through said filter housing in a first direction;
a pleated filter support operatively connected to said filter housing said filter
support having support members define a pleated shape; and
a filter at least partially supported by said support members.~~

~~11. The air induction system of Claim 10 wherein said pleated filter support
comprises a wire mesh.~~

~~12. The air induction system of Claim 10 wherein said pleated filter support
comprises at least a partially annular form.~~

~~13. The air induction system of Claim 10 wherein said filter comprises a low
restriction filter paper.~~

~~14. The air induction system of Claim 10 wherein said filter and said pleated filter
support are operatively connected by welding.~~

~~15. The air induction system of Claim 10 wherein said filter and said pleated filter
support are operatively connected by an adhesive.~~

~~16. The air induction system of Claim 10 including a filter seal operatively
connected to said filter and said pleated filter support.~~

Sub A3 > ~~17. A method of manufacturing an air filter comprising the steps of:
arranging a plurality of support members into pleats; and
adhering a filter to the pleats.~~

rule 125 ~~18. The method of manufacturing the filter of Claim 18 wherein the plurality of
support members comprise a wire mesh.~~

Sub C ~~19. The method of manufacturing the filter of Claim 18 including the step of
sealing the filter to the support.~~

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